



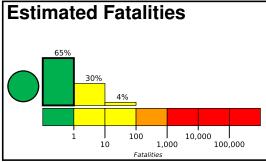


PAGER Version 5

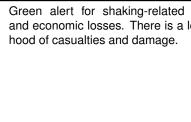
Created: 2 days, 20 hours after earthquake

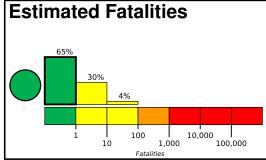
M 5.7, 139 km NNE of Hihifo, Tonga

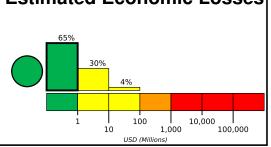
Origin Time: 2023-06-17 18:44:57 UTC (Sat 06:44:57 local) Location: 14.8041° S 173.2546° W Depth: 10.0 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likeli-







Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	209k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

15.8°S

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unknown/miscellaneous types construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-10-06	371	7.2	IV(19k)	_
1995-04-07	62	7.3	VII(2k)	_
2006-09-28	239	6.9	IV(197k)	0

Selected City Exposure

from G	eoNames.org	
MMI	City	Population
Ш	Gataivai	1k
Ш	Hihifo	1k
Ш	Vailoa	1k
Ш	Asau	7k
Ш	Mulifanua	5k
Ш	Satapuala	1k
Ш	Leulumoega	1k
Ш	A'opo	0
Ш	Apia	40k
Ш	Lufilufi	1k
Ш	Samamea	0

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Hihifo